

IN THE SPECIFICATION:

Please amend paragraph [0019] as follows:

Figure 5a is a cross sectional elevation of an alternate fused fiber junction incorporating a Bragg grating according to the present invention.

Please amend paragraph [0020] as follows:

Figure 5b is a variation of the fiber junction of Figure 5a.

Please add the following new paragraph after paragraph [0021]:

Figures 7a and 7b are flow charts of exemplary methods of manufacture.

Please amend paragraph [0034] as follows:

There are several methods available for producing a ferrule according to the present invention. In one embodiment, a glass tube constituting a preform is coated along an interior wall with a layer of doped glass, glass frit or ceramic material. The coating can be achieved by liquid chemistry, by chemical vapor deposition, or by other deposition processes. Figures 7a and 7b illustrate exemplary methods of producing a ferrule.

Please amend paragraph [0037] as follows:

Alternately, the preform can be prepared without the coating on the interior surface. The preform is then drawn to produce a reduced size tube and the coating is then applied by chemical vapor deposition or other coating process, as described above. Subsequently, the coated tube is cut and, optionally, machined (see Figure 7a). Additionally, preform may include a plurality of holes which can be cut to form a plurality ferrules (see Figure 7b).

**BEST AVAILABLE COPY**